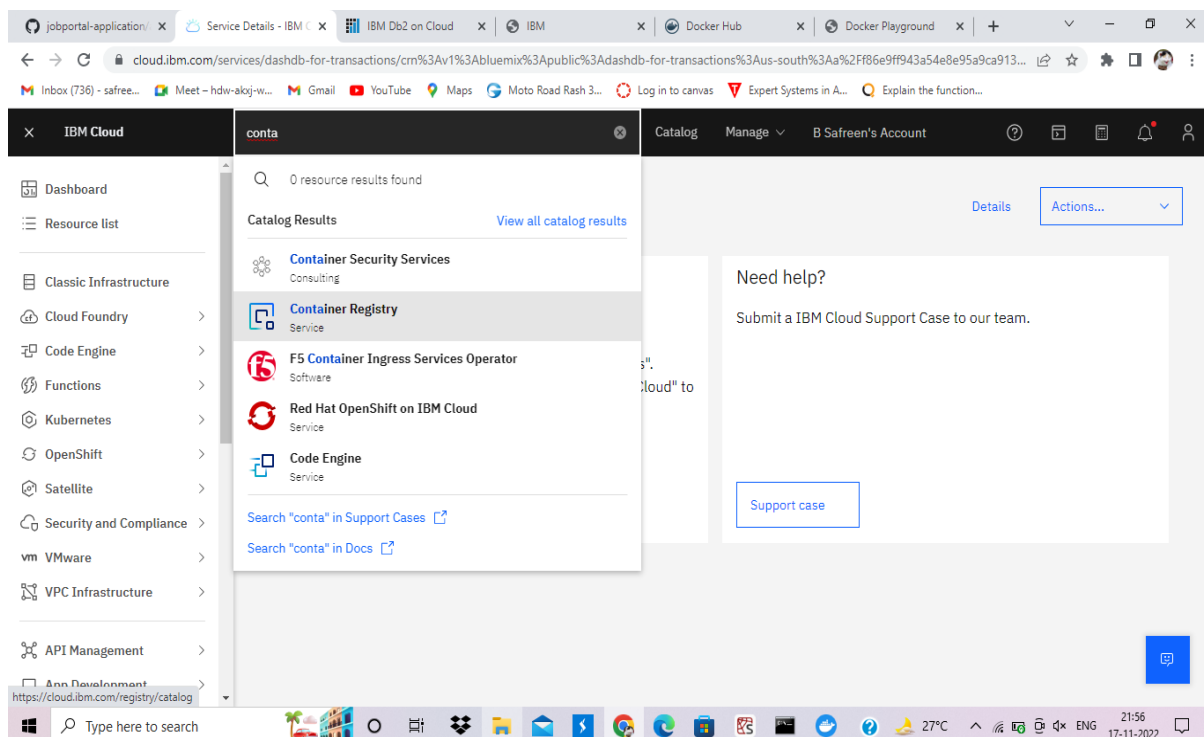


Upload Image to IBM Container Registry

Upload Image to Container Registry

Date	17 November 2022
Team ID	PNT2022TMID23033
Project Name	Skill/Job Recommender Application

Step 1. Login to cloud.ibm.com and in the catalog , search for the IBM container Registry Service



Step 2: Click Get started button to start uploading image to container Registry

The screenshot shows the IBM Cloud Container Registry catalog page. The browser tabs include 'jobportal-application', 'Container Registry - li', 'IBM Db2 on Cloud', 'IBM', 'Docker Hub', and 'Docker Playground'. The address bar shows 'cloud.ibm.com/registry/catalog'. The page header includes the IBM Cloud logo, a search bar, and navigation links like 'Catalog', 'Manage', and 'B Safreen's Account'. The main content area is titled 'Container Registry' and includes a 'View all /' link, an 'Estimate costs' button, and a 'Get started' button. Below this, there is a 'Summary' section with a description: 'Manage Docker container images in a fully managed private registry. Push private images into this registry to run them in IBM Cloud Kubernetes Service and other runtime environments. Images are checked for security issues, so that you can make informed decisions about your deployments.' There is also a 'Features' section with three bullet points: 'Highly available and scalable private registry', 'Image security compliance with Vulnerability Advisor', and 'Quota limits for storage and pull traffic'. The page footer shows the Windows taskbar with various icons and the system clock displaying '21:57 17-11-2022'.

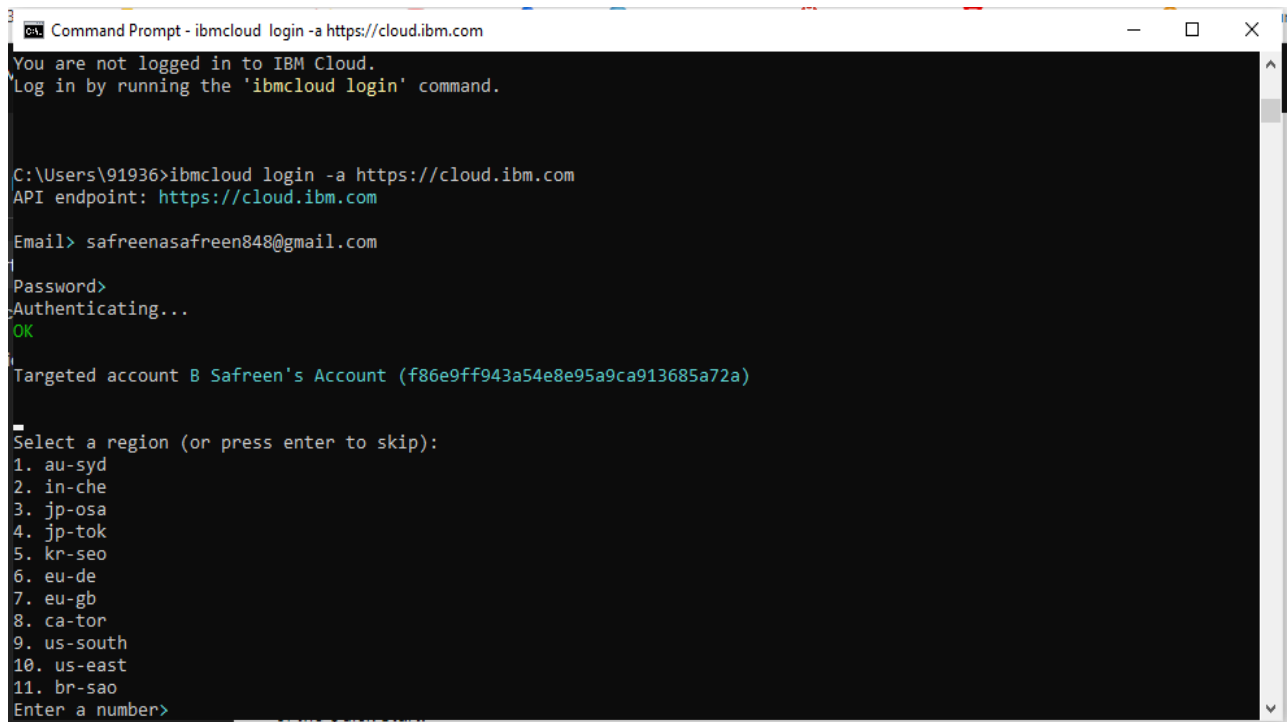
Step 3: Open command prompt and run the following command to install container registry in ibmcloud

```
IBMCLCLOUD_API_KEY=api_key_value      API Key used for login
IBMCLCLOUD_CR_VPC_URL=url_value         The custom server URL to use when obtaining an instance identity token and IAM token as a VPC VSI compute resource. This value will replace the default server endpoint of the VPC VSI instance identity token service.
IBMCLCLOUD_CR_TOKEN=cr_token_value      Compute resource token used for login. Can either be a token string or a path to a @file.
IBMCLCLOUD_CR_PROFILE=profile_value     The name, ID, or CRN of the linked trusted IAM profile to be used when obtaining the IAM access token. If authenticating as a VPC VSI compute resource, only specifying a trusted profile CRN or ID is supported.
IBMCLCLOUD_TRACE=true                  Print API request diagnostics to stdout
IBMCLCLOUD_TRACE=path/to/trace.log      Append API request diagnostics to a log file
IBMCLCLOUD_HOME=path/to/dir            Path to config directory

GLOBAL OPTIONS:
--version, -v                          Print the version
--help, -h                             Show help

C:\Users\91936>ibmcloud plugin install container-registry
Looking up 'container-registry' from repository 'IBM Cloud'...
Plug-in 'container-registry[cr] 1.0.2' found in repository 'IBM Cloud'
Attempting to download the binary file...
 11.90 MiB / 11.90 MiB [=====] 100.00% 3s
12476416 bytes downloaded
Installing binary...
OK
Plug-in 'container-registry 1.0.2' was successfully installed into C:\Users\91936\.bluemix\plugins\container-registry. Use 'ibmcloud plugin show container-registry' to show its details.

C:\Users\91936>
```

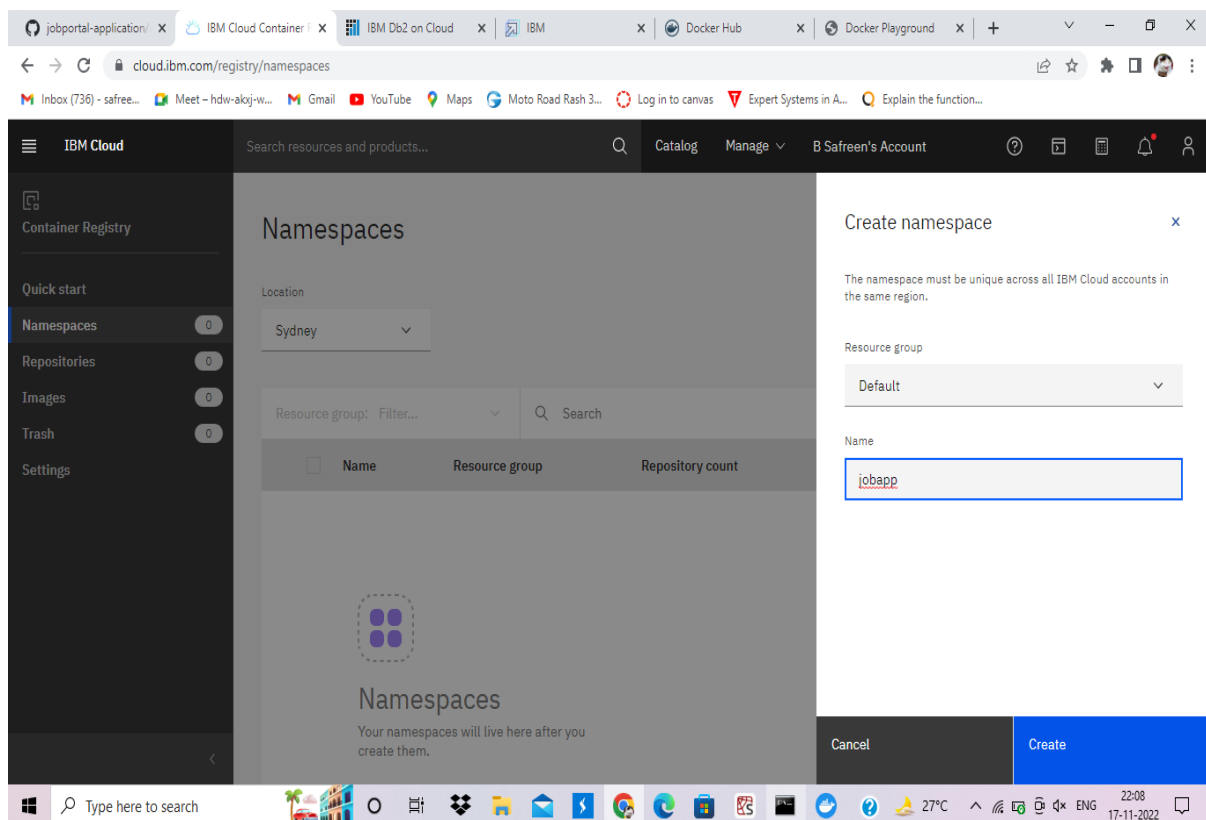
Step 4: Login to your ibmcloud account using command prompt

```
Command Prompt - ibmcloud login -a https://cloud.ibm.com
You are not logged in to IBM Cloud.
Log in by running the 'ibmcloud login' command.

C:\Users\91936>ibmcloud login -a https://cloud.ibm.com
API endpoint: https://cloud.ibm.com

Email> safreenasafreen848@gmail.com
Password>
Authenticating...
OK
Targeted account B Safreen's Account (f86e9ff943a54e8e95a9ca913685a72a)

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number>
```

Step 5: Create the namespace and set the region

```
Command Prompt
Enter a number> 1
Targeted region au-syd

API endpoint:      https://cloud.ibm.com
Region:           au-syd
User:             safreenasafreen848@gmail.com
Account:          B Safreen's Account (f86e9ff943a54e8e95a9ca913685a72a)
Resource group:   No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\91936>ibmcloud cr region-set
Choose a region
1. global ('icr.io')
2. ap-north ('jp.icr.io')
3. ap-south ('au.icr.io')
4. br-sao ('br.icr.io')
5. ca-tor ('ca.icr.io')
6. eu-central ('de.icr.io')
7. jp-osa ('jp2.icr.io')
8. uk-south ('uk.icr.io')
9. us-south ('us.icr.io')
Enter a number (>) 3
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\91936>
```

Step 6: Log your local Docker daemon into the IBM Cloud Container Registry.

```
Command Prompt

Org:
Space:

C:\Users\91936>ibmcloud cr region-set
Choose a region
1. global ('icr.io')
2. ap-north ('jp.icr.io')
3. ap-south ('au.icr.io')
4. br-sao ('br.icr.io')
5. ca-tor ('ca.icr.io')
6. eu-central ('de.icr.io')
7. jp-osa ('jp2.icr.io')
8. uk-south ('uk.icr.io')
9. us-south ('us.icr.io')
Enter a number (>) 3
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\91936>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\91936>docker tag jobport au.icr.io/jobportapp/jobportrepo:jobportmain

C:\Users\91936>
```

Step 7: Choose a repository and tag by which you can identify the image and Push the image

```
Command Prompt - docker push au.icr.io/jobportapp/jobportrepo:jobportmain
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

C:\Users\91936>docker tag jobport au.icr.io/jobportapp/jobportrepo:jobportmain

C:\Users\91936>docker push au.icr.io/jobportapp/jobportrepo:jobportmain
The push refers to repository [au.icr.io/jobportapp/jobportrepo]
b8fe1e369d21: Pushed
3786788c7f4e: Pushing [> 2.195MB/185.2MB
114e522d274b: Pushed
dd9b5036aede: Pushing [=====> 2.181MB/6.111MB
9ddbdc579246: Pushed
345c9e42b8e4: Waiting
24bf8dd8c4a6: Waiting
18bbb218c890: Waiting
e6e9854ca999: Waiting
397a239a053b: Waiting
89c3244a87b2: Waiting
80231db1194c: Waiting
f1c1f2298584: Waiting
ccba29d69370: Waiting
```

```
C:\Users\91936>ibmcloud cr image-list
Listing images...

Repository          Tag          Digest          Namespace    Created      Size    Security status
au.icr.io/jobportapp/jobportrepo  jobportmain  ae04871a6a4c    jobportapp   10 hours ago  454 MB  -

OK

C:\Users\91936>
```

Docker Hub x IBM Cloud Container Registry - R x +

cloud.ibm.com/registry/repos

Inbox (736) - safreen... Meet - hdw-akj-w... Gmail YouTube Maps Moto Road Rash 3... Log in to canvas Expert Systems in A... Explain the function...

IBM Cloud

Search resources and products...

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Repositories

Location

Sydney

Search

Create +

Name	Image count	Namespace	Last updated
jobportrepo au.icr.io/jobportapp/jobportrepo	1	jobportapp	11 hours ago

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